

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/104512 A2

(51) International Patent Classification⁷: F42B
(21) International Application Number: PCT/NO2003/000390

(22) International Filing Date:
20 November 2003 (20.11.2003)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:
2002 5559 20 November 2002 (20.11.2002) NO

(71) Applicant (for all designated States except US): TOTAL
CATCHER OFFSHORE AS [NO/NO]; Heiane 4, Ny-
borg, N-5879 Bergen (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): REIMERS, Nils
[NO/NO]; Grasholmstuppen 1, Seksjon 52, N-4085 Hund-
våg (NO).

(74) Agent: AS BERGEN PATENTKONTOR; P.O. Box
1998, Nordnes, N-5817 Bergen (NO).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

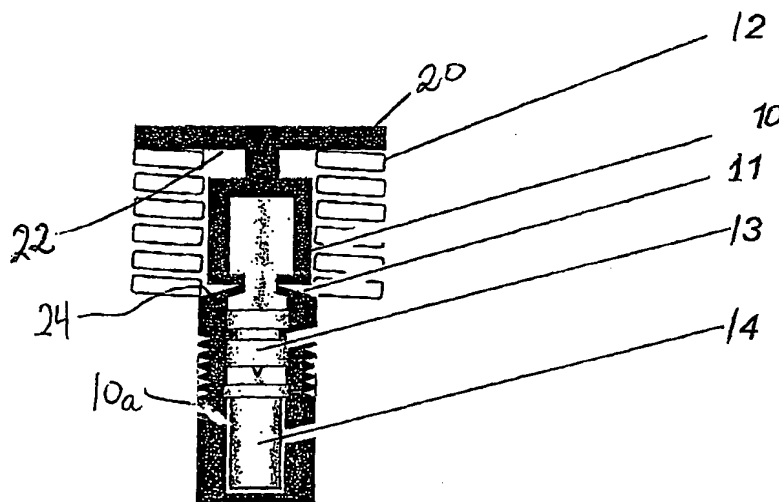
(84) Designated States (regional): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR ACTIVATION OF A DETONATOR



(57) Abstract: A method is described for detonation of a blasting charge in a fluid environment and which is placed inside a hollow body, such as in an ignition pellet. The method is characterised in that an ignition pellet is used, which is arranged to be deformed under the influence of a number of alterations or pulsations between high and low pressure in the surrounding fluid environment, with the detonation triggering unit inside the body being activated at the subsequent contact with the fluid environment as a consequence of the pellet being deformed. In rupturing, external fluid at overpressure is released into the cylinder and drives a firing pin against a detonating cartridge. A device for an ignition pellet is also described.

BEST AVAILABLE COPY